

ABSTRACT

A packaging system is described which contains a static micromixer and permits the preparation of formulations consisting of at least two constituents just before use. The static micromixer is provided with disk-shaped components, a disk (1) having at least one inlet opening (2) for the introduction of at least one fluid stream into a linking channel (3) disposed in the plane of the disk and at least one outlet opening (4) for the outflow of the fluid stream into a mixing zone (5) disposed in the plane of the disk, the inlet opening (2) being connected in communicating manner with the outlet opening (4) through the linking channel (3) disposed in the plane of the disk, and the linking channel (3) before it opens into the mixing zone (5) being divided into two or more part channels (7) by microstructure units (6), and the widths of the part channels are in the millimeter to sub-millimeter range and are smaller than the width of the mixing zone (5).